



An E-Update

Prepared by Organizational Results
Missouri Department of Transportation

October 2007

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University-Sourced Research Proposals Needed

Beginning December 1, MoDOT will be accepting university-sourced research proposals for our fiscal year 2009 research program. A university-sourced research proposal is a research need identified by university faculty that could be expected to result in clear, actionable solutions or innovations to address Missouri transportation issues and needs. The emphasis within these proposals should be on the idea or problems to be addressed and not proposed solutions. The deadline for proposals is January 15, 2008. All the facts are just a click away. [University-Sourced Research Proposals](#)

Emerson Bridge Performance During Earthquake Modeled

On May 1, 2005, a 4.1 magnitude earthquake occurred on the New Madrid Fault centered in Manila, Arkansas. While few Cape Girardeau residents noticed the slight ground movements of the quake some 112 miles away, seismic instruments on the Bill Emerson Memorial Bridge were busy. Researchers used the data to construct a three-dimensional model of the bridge's performance. The model will be an important tool in detecting damage to the bridge during seismic activity and preparing for future quakes. Quaking to know more? [Emerson Bridge Report](#)

Improvements Suggested for Shared Rail Facilities

Missouri's primary passenger rail service from Kansas City to St. Louis shares the tracks with freight rail traffic. Unfortunately, a limited number of track sidings along the corridor can cause significant delays. A recently completed research project prioritizes improvements based on the impact on freight and passenger service. Get on track with all the details. [Freight-Passenger Rail Summary](#)
[Freight-Passenger Rail Full Report](#)

Best Practice Studies Completed

Finding out how other public and private agencies handle current business challenges can be a valuable piece of information for department decision-makers. Two national best practice studies have recently been completed regarding the best ways to implement biodiesel programs and purchase intelligent transportation system equipment. Take advantage of benchmarking the best.

[Best Practices in ITS Equipment Procurement](#)
[Best Practices for Implementing a Biodiesel Program](#)



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page 2

MoDOT Completes Final Stage of State Quality Assessment

A team of ten examiners from the Missouri Quality Award program recently took a two-and-a-half day baptism into how MoDOT does business. The site visit from Sept. 17-19 was the final step in assessing MoDOT's overall effectiveness as a quality organization by the Excellence in Missouri Foundation. Organizational Results staff helped MoDOT managers complete the application and coordinated the site visit. MoDOT received a feedback report the last week in October. The announcement of this year's award winner will be made at the Missouri Quality Conference on Nov. 15. Take a look at our kickoff meeting video. [MoDOT in View](#)

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